

Figure 1 consists of 12 sub-graphs labeled (a) through (l), each showing the growth of *E. coli* O157:H7 in ground beef under different treatment conditions. The y-axis for all graphs is  $\log_{10}$  CFU/g, ranging from 0 to 10. The x-axis for all graphs is time in hours, ranging from 0 to 24. The graphs show various growth curves, with some treatments showing significant inhibition of growth compared to the control.

- (a) Control: Shows a steady increase in bacterial count from approximately  $10^1$  to  $10^8$  CFU/g over 24 hours.
- (b) Salt: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (c) Acetic acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (d) Citric acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (e) Lactic acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (f) Malic acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (g) Succinic acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (h) Tartaric acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (i) Fumaric acid: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (j) Malic acid + Salt: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (k) Citric acid + Salt: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.
- (l) Acetic acid + Salt: Shows a slight increase in bacterial count from approximately  $10^1$  to  $10^2$  CFU/g over 24 hours.

NAME OF CONCERN: MercuryMD, Inc.

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 C.F.R. § 121.3-18, and reproduced in 37 C.F.R. § 1.9(d), for purposes of paying reduced fees under § 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time, or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights to the invention listed below and no rights to the invention are held by any person, other than the inventors, who could not qualify as a small business concern under 37 C.F.R. § 1.9(d) or by any concern which would not qualify as a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e).

ADDRESS: N/A

I hereby declare additionally that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Taylor M. Davenport  
Taylor M. Davenport  
Reg. No. 42,466

**RULE 63 (37 C.F.R. 1.63)**  
**DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, we hereby declare that our residence, post office address and citizenship are as stated below next to our names, and we believe we are the original, first and sole inventors (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHOD AND SYSTEM FOR EXTRACTING MEDICAL INFORMATION FOR PRESENTATION TO MEDICAL PROVIDERS ON MOBILE TERMINALS**, the specification of which (check applicable box(es):

☒ is attached hereto;

☐ was filed on \_\_\_\_\_ as U.S. Application Serial No. \_\_\_\_\_ and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_. We hereby state that we have reviewed

and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56(a). We hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed before the filing date of this application:

Prior Foreign Application(s):

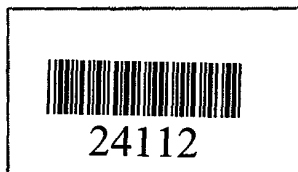
Application Number	Country	Day/Month/Year Filed
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We hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior application in the manner provided by the first paragraph of 35 U.S.C. 112, We acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56(a) which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.	Day/Month/Year Filed	Status: patented, pending, abandoned
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We hereby declare that all statements made herein of our knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



1) Inventor's Signature \_\_\_\_\_ Date 1/31/01

Inventor's Name(typed) Alan J. Ying United States  
                                     First                    Middle Initial                    Family Name                    Citizenship

Residence (City) Durham (State/Foreign Country) North Carolina

Post Office Address 9 Forest Oaks Drive, Durham, North Carolina Zip Code 27705

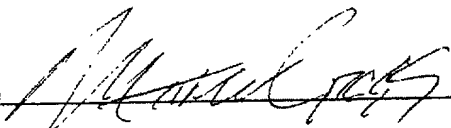
2) Inventor's Signature \_\_\_\_\_ Date 1/31/01

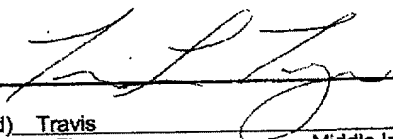
Inventor's Name(typed) William T. Lawson United States  
                                     First                    Middle Initial                    Family Name                    Citizenship

Residence (City) Durham (State/Foreign Country) North Carolina

Post Office Address 4218 Ellisfield Drive, Durham, North Carolina Zip Code 27705

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3) Inventor's Signature  Date 2/2/01  
Inventor's Name(typed) Matthew Cross United States  
First Middle Initial Family Name Citizenship  
Residence (City) Durham (State/Foreign Country) North Carolina  
Post Office Address 212 North Duke Street, #206, Durham, North Carolina Zip Code 27701

4) Inventor's Signature  Date 2/2/01  
Inventor's Name(typed) Travis Teague United States  
First Middle Initial Family Name Citizenship  
Residence (City) Durham (State/Foreign Country) North Carolina  
Post Office Address 212 North Duke Street, #206, Durham, North Carolina Zip Code 27701

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Pegram

For: **METHOD AND SYSTEM FOR EXTRACTING MEDICAL INFORMATION FOR PRESENTATION TO MEDICAL PROVIDERS ON MOBILE TERMINALS**

Filed concurrently herewith.

Serial Number to be assigned.

Assistant Commissioner for Patents

Washington, D.C. 20231

**POWER OF ATTORNEY**

Sir:

The undersigned, **MercuryMD, Inc.**, assignee of the entire interest in and to an application of Alan J. Ying, William T. Lawson, Matthew Cross and Travis Teague for U.S. Letters Patent for **METHOD AND SYSTEM FOR EXTRACTING MEDICAL INFORMATION FOR PRESENTATION TO MEDICAL PROVIDERS ON MOBILE TERMINALS** serial number to be assigned, filed concurrently herewith, hereby appoints the firm of **Coats & Bennett, P.L.L.C.** as identified by **Customer Number 24112** as its attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Furthermore, in accordance with 37 CFR §3.73(b), the undersigned hereby states that the documentary evidence of a chain of title from the original owner to the assignee, i.e. assignment document referenced above, has been reviewed and the undersigned certifies that, to the best of assignee's knowledge and belief, title is in assignee who seeks to prosecute this application (all communications should be directed to Taylor M. Davenport).



24112

PATENT TRADEMARK OFFICE

**MercuryMD, Inc.**

BY: \_\_\_\_\_

Alan J. Ying  
President

Date: \_\_\_\_\_

1/31/01